

**ABSTRACT**

A method and apparatus for controlling foam processing. The method includes acts of receiving a first input indicative of an amount of a polymeric material to be provided to a polymer processing space of a polymer processing apparatus, and automatically determining  
5 an amount of a blowing agent to be provided to the polymer processing space to form a foamed product based upon the amount of polymeric material. Additional acts may include automatically configuring a blowing agent delivery system to provide the determined amount of the blowing agent to the polymer processing space to form the foamed product. The method and apparatus may be used to produce microcellular foamed products as well as non-  
10 microcellular foamed products, and can be used with a variety of foam processing equipment, such as injection molders, blow molders, and extruders.

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